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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,728	01/19/2005	Jeppe Bastholm	66383-033-7	2568
25269 7590 05/10/2010 DYKEMA GOSSETT PLLC FRANKLIN SQUARE, THIRD FLOOR WEST 1300 I STREET, NW WASHINGTON, DC 20005			EXAMINER	
			GLASS, ERICK DAVID	
			ART UNIT	PAPER NUMBER
			2837	
			MAIL DATE	DELIVERY MODE
			05/10/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Commence	10/511,728	BASTHOLM, JEPPE				
Office Action Summary	Examiner	Art Unit				
	Erick Glass	2837				
The MAILING DATE of this communication appo Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
·—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
•	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
•	£					
,	4) Claim(s) 1,3 and 4 is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
<u> </u>	5)⊠ Claim(s) <u>1,3 and 4</u> is/are allowed.					
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.	-14:					
8)☐ Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>19 October 2004</u> is/are: a) accepted or b)⊠ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the Exa	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:		(4) 5. (1).				
, ,	1. Certified copies of the priority documents have been received.					
<u> </u>						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
oco the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)	_					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal P					
Paper No(s)/Mail Date 6) Other:						

Drawings

The drawings filed on 10/19/04 and 1/9/07 are acceptable subject to correction of the informalities indicated on the attached "Notice of Draftsperson's Patent Drawing Review," PTO-948. In order to avoid abandonment of this application, correction is required in reply to the Office action. The correction will not be held in abeyance.

New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because the drawings are handwritten or contain handwritten language that makes them difficult to read and understand. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: With respect to claim 1, the Prior Art does not teach a drive unit comprising a DC motor with a commutator, a transmission, adjustable drive means and; a first control means to compensate for loss in the motor, thereby maintaining a speed thereof constant for a first period of time, a second control means that removes ripples in the voltage, thereby maintaining the speed of the motor constant for a second period of time, said second period of time being shorter in duration than said first period of time, and including an astable timer having a duty cycle which is controlled by output voltage and adjusted by

input voltage, and wherein said first period of time is 30 msec. to 1 sec. and said second period of time is less than 10 msec.

With respect to claim 3, the Prior Art does not teach a drive unit comprising a DC motor with a commutator, a transmission, adjustable drive means and; a first control means to compensate for loss in the motor, thereby maintaining a speed thereof constant for a first period of time, a second control means that removes ripples in the voltage, thereby maintaining the speed of the motor constant for a second period of time, said second period of time being shorter in duration than said first period of time, and including an astable timer having a duty cycle which is controlled by output voltage and adjusted by input voltage, wherein the second control means provides a forward step in which a duty cycle is expressed by k and Vin, and a power step in which Vout is expressed by Vin and the duty cycle, wherein the result of the forward step and the power step is Vout K, and wherein Vin is an input voltage from the rectification, Vout is an output voltage from the power step, k is a constant given by actual circuits for the forward step and the power step, and wherein the duty step is the proportional time for which the power supply is loaded during a given period of time wherein the forward, step is given by[+] duty cycle = K/Vin and the power step by[+] Vout = Vin * duty cycle.

With respect to claim 4, the Prior Art does not teach a drive unit comprising a DC motor with a commutator, a transmission, adjustable drive means and; a first control means to compensate for loss in the motor, thereby maintaining a speed thereof constant for a first period of time, a second control means that removes ripples in the voltage, thereby maintaining the speed of the motor constant for a second period of

time, said second period of time being shorter in duration than said first period of time, and including an astable timer having a duty cycle which is controlled by output voltage and adjusted by input voltage, wherein the second control means provides a forward step in which a duty cycle is expressed by k and Vin, and a power step in which Vout is expressed by Vin and the duty cycle, wherein the result of the forward step and the power step is Vout = K, and wherein Vin is an input voltage from the rectification, Vout is an output voltage from the power step, k is a constant given by actual circuits for the forward step and the power step, and wherein the duty step is the proportional time for which the power supply is loaded during a given period of time, wherein the forward step is given by[+] duty cycle = Vin/k, and the power step by[+] Vout = Vin/duty cycle. Claims 1, 3, and 4 are allowable.

Conclusion

This application is in condition for allowance except for the following formal matters: Formal drawings need to be submitted.

Prosecution on the merits is closed in accordance with the practice under Exparte Quayle, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erick Glass whose telephone number is (571)272-8395. The examiner can normally be reached on 9-5 M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Walter Benson can be reached on 571-272-2227. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BENTSU RO/ Primary Examiner, Art Unit 2837

/Erick Glass/ Examiner, Art Unit 2837